

## 505 CCW MISSION

SHAPE THE WAY JOINT AND COALITION WARFIGHTERS EXECUTE COMMAND AND CONTROL OF MULTI-DOMAIN OPERATIONS THROUGH EXPERIMENTATION, TRAINING, TESTING, EXERCISES, EVALUATION, AND TACTICS DEVELOPMENT

## 505 CCW VISION

DEVELOP WORLD-CLASS JOINT AND COALITION WARFIGHTERS TO ACHIEVE AND MAINTAIN C2 DOMINANCE IN AIR, SPACE, AND CYBERSPACE



“Achieving the full potential of airpower requires timely, actionable intelligence and sufficient command and control capabilities to permit commanders to exploit airpower attributes.”

--Air Force Doctrine Publication 1

## GENERAL INFORMATION

### 505TH COMMAND AND CONTROL WING

128 HARTSON STREET  
HURLBURT FIELD, FLORIDA  
32544

COMM: (850) 884-1800

DSN: 579-1800

FAX: (850) 884-2997

## 505 CCW WEBSITES

<https://www.505ccw.acc.af.mil/>

<https://www.facebook.com/505thCCW>

[https://twitter.com/505th\\_CCW](https://twitter.com/505th_CCW)

C2 Portal - <https://intelshare.intelink.gov/sites/C2/SitePages/Home.aspx>



“The 20th Century represented the pinnacle of tactical airpower ... the 21st Century will belong to those who excel at operational-level command and control and cross-domain integration.”

--Anonymous

# 505<sup>TH</sup> COMMAND AND CONTROL WING



DELIVERING  
C2 DOMINANCE!

## 505TH TEST AND TRAINING GROUP

DSN: 579-3304 COMM: (850) 884-3304

HURLBURT FIELD, FL

Conduct premier testing, evaluation, training, and tactics development across command and control, sensors, and battle management weapon systems

## 505TH COMBAT TRAINING GROUP

DSN: 682-8583 COMM: (702) 652-8583

NELLIS AFB, NV

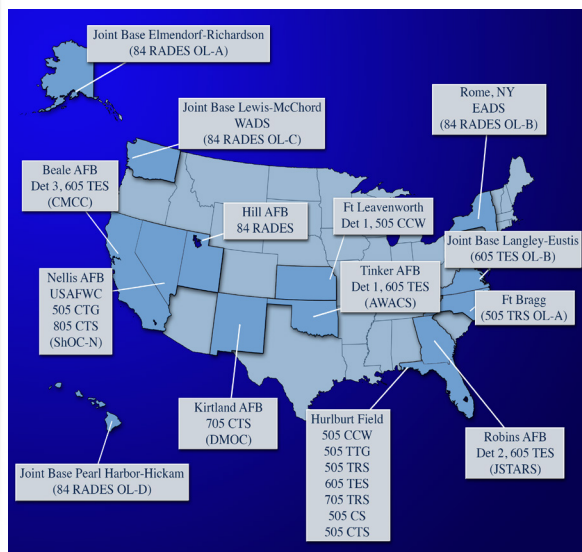
Expertly and professionally conduct operational assessment/experimentation, develop advanced tactics, and train warfighters for multi-domain integration

## DETACHMENT 1, 505 CCW

DSN: 552-4051 COMM: (913) 684-4051

FT LEAVENWORTH, KS

Provide airpower expertise and exercise support to US Army Mission Command Training Program (MCTP) and liaison to Army Combined Arms Center (CAC)



## FORMAL COURSES

### AOC Initial Qualification Training:

- Trains operators to work in operations centers and execute missions on the AN/USQ-163 Falconer weapon system
- Combat Operations Course (19 days)
- Combat Plans Course (19 days)
- Strategy Course (19 days)
- Intelligence, Surveillance, & Reconnaissance Course (19 days)
- Communications Course (19 days)
- Air Mobility Operations Course (19 days)
- Interface Control Cell Course (24 days)
- Airspace Course (19 days)
- Personnel Recovery Course (14 days)
- Command and Control Technician Course (16 days)
- System Administrator Course (19 days)
- Networks Administrator Course (19 days)
- Integrated Air and Missile Defense Course (5 Days)

### Joint Air Operations Command and Control Course (JAOC2C)

- Trains joint personnel, O-5 and below, in AOC operations fundamentals (13 days)

### Combined/Joint Air and Space Operations Senior Staff Course (C/JSSC)

- Prepares O-6s and select O-5s for senior AOC leadership responsibilities (6 days)

### Air Force Forces Senior Staff Course (AFSSC)

- Prepares O-6s, E9s, and selected O-5s for staff roles in support of the Commander Air Force Forces (COMAFFOR) warfighting missions and Joint Force Commander's intent (5 days)

### AFFOR Intermediate Staff Course (AISC)

- Prepares O-3s to O-5s and E-2s to E-7s for theater-level AFFOR staff duties. Available in-residence or via MTT (5 days)

### Air Component Special Technical Operations Planners Course (ACSTOPC)

- Trains air component planners on integration of STO into air component planning and operations. Available in-residence or via MTT (5 days)

### Command & Control Warrior Advanced Course (C2WAC)

- Trains select O-3s to O-5s and E-7s to E-8s on planning, integrating, and executing joint all-domain capabilities, to include Special Access Programs, made available to the C/JFACC. This course heavily emphasizes the use of the Joint Planning Process and the Joint Air Tasking Cycle framework through practical exercises (19 days)

### 130 - Initial Skills Training (IST)

- Trains boarded O-3s to O-5s at the operational level of war specializing in identifying, planning, synchronizing, and integrating joint all-domain solutions to meet the JFC objectives. This course emphasizes planning across the competition continuum at all classification levels. Graduates are awarded the 130 AFACC and fill critical C2 roles in Air Component, Joint, and other staff organizations (99 days)

### K130 - Instructor Upgrade Training (IUT)

- Trains selected 130's to deliver C2 instruction at the unit-level, focusing on planning, debrief, and OPT leadership. Graduates are awarded the "K" prefix (15 days)

### Academic Instructor Course (AIC)

- Teaches CCW assigned instructors on the fundamentals of instruction, preparing them to teach all wing courses to include three CCAF accredited classes (8 days)

## MISSION FOCUS AREAS

### Training

- Academics: Conducts over 140 in-resident and mobile formal training courses per year graduating 2,000+ students annually
- Operational Command Training Program (OCTP): Performs senior AOC/AFFOR mentoring and over-the-shoulder training during Tier 1 exercises worldwide

### Testing

- USAF's only unit that conducts operational C2 testing for AOC, AWACS, JSTARS, CRC, CMCC. Detailed test programs ensure integration between tactical and operational levels and assured operations in a realistic threat environment.

### Tactics Development

- TTP Model Manager: AOC and TACS Tactics Manual Manager. Reviews 2K+ pages of documentation annually. Serves as SME support to other TTP re-writes. Captures latest field practices annually.
- Development: Conducts tactics development to optimize the combat effectiveness of the TACS and ISR systems
- Weapons & Tactics: Wing-level workcenter to improve Joint All Domain Operations (JADO) tactics, academics, test, evaluation, and experimentation through training, exercise participation, observation, documentation, and dissemination of TTPs and LLs.

### Exercises

- Blue Flag: A realistic, operational level, all domain decision environment to develop innovative and full spectrum challenges for air component leadership and staffs. Events include crisis action planning, full multi-day ATO cycle execution, and TPFDD processes. A Joint National Training Center accredited event executed twice per year using training audience derived scenarios.
- Virtual Flag: A tactical-operational level exercise executed within the CFACC's Theater Air Control System with live, virtual, constructive (LVC) capabilities, executed up to 4 times annually. Participants execute OPLANS in major combat operations in a joint/coalition environment. Joint National Training Capability accredited to integrate Interdiction, Integrated Air and Missile Defense, Command and Control, Personnel Recovery, Air Operations in Maritime Surface Warfare, Airlift, and ISR.
- Red Flag: Provides Operational-level C2 element for RED FLAG. Trains joint/coalition personnel on current operations, up to the STO level. Executed up to four times per year.
- Warfighter Exercises (WFXs): USAF support to Army exercises developed from warfighter requirements that focus on large scale, complex, multi-echelon, Corps - Brigade operations. Integrates joint and coalition forces to support readiness requirements to train 25,000 Soldiers and 2,500 Airmen annually

### Experiments

- ShOC-N: Serves as USAF-organic rapid software development, operational assessment, and sustainment of JADC2 concepts and systems. Develops software, operational assessments, and TTP development through advanced readiness training in CDO environment during major combat operations.
- ABMS: Provides support, via SME, Battle Lab support, and assessments to the DoD-level JADC2 backbone for future operations.
- JADC2: Senior Officer Steering Group, exercises, and academics to support USAF and DoD JADC2 objectives
- ACE: Support via academics, doctrine, and TTP development to meet the CSAF's initiative.

### Evaluations

- Integrated squadron that provides real-time national radar picture, detailed analysis, and recording to the nation's four air defense sectors. Evaluates, optimizes and tests homeland defense and deployed tactical long-range radars to deliver the most sensitive, effective integrated radar picture